



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Pa Dt
PO039156	ACI001-VC	9	1	Net 30	M6061T6S2.250X13.500	6061-T6 Sheet 2.250" Thick x 13.500" Wide : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A- 250/11 OR AMS-QQ-A- 250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209				6	3/7/2018	6		S050940	Stock	3/13/2018	\$ 171.32 / ft	0	
Total:										6		6							

Plex 3/13/2018 3:17 PM Dart.Dubois.Pascal



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO039156

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO039156

PO Date: 3/1/18

Due Date: 3/7/18

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments: quote no: sou0088895, sou0088998

E-MAILED
MAR 02 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	MT-HRS-P-0.500		Hot Rolled Steel Plate 0.500" (44W) receive sf	Firmed	3/7/18	32 sf	0 sf	32 sf	\$13.167187/sf	\$421.35
Line Item Note note: please cut sheet in two										
2	M6061T6B0.500X0.500		6061T6 Bar 0.500 X 0.500 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	3/7/18	12 ft	0 ft	12 ft	\$0.8575/ft	\$10.29
3	MT-4140-B-2.250X8.000		AISI 4140 Steel Bar : Material: AISI 4140 STEEL BAR AS PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MIN. ROCKWELL C = 28 RC MAX. ROCKWELL C = 32 RC NOTE: cut material in 12" length	Firmed	3/16/18	6 ft	0 ft	6 ft	\$153.73166/ft	\$922.39

3/2/2018

PURCHASE ORDER

Items										Unit Price (CAD)	Extended Price
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance			
4	MT-4140-B-0.500x3.500		4140 Steel Bar 0.500 X 3.500 : AISI 4140 STEEL BAR PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MINIMUM ROCKWELL C = 28 RC MAXIMUM ROCKWELL C = 32 RC receive ft	Firmed	3/7/18	6 ft	0 ft	6 ft		\$27.50/ft	\$165.00
5	MT-HRS-P-0.250		Hot Rolled Steel Plate 0.250" (44W) : Hot Rolled Steel Plate 0.250" thick	Firmed	3/7/18	32 ft	0 ft	32 ft		\$6.33188/ft	\$202.62
Line Item Note note: please cut sheet in two											
6	MT-4140QT-R1.750		AISI 4140 Quenched & Tempered Steel Round Bar 1.750" Dia. : AISI 4140 Q&T Round Bar : MAT'L: AISI 4130 QUENCHED & TEMPERED ROUND BAR AS PER ASTM 4140 QT OR ASTM 4142 QT	Firmed	3/7/18	12 ft	0 ft	12 ft		\$18.07666/ft	\$216.92
7	MT-4140QT-R2.375		MT-4140 QT-R2.375 : MAT'L: AISI 4130 QUENCHED & TEMPERED ROUND BAR AS PER ASTM 4140 QT OR ASTM 4142 QT	Firmed	3/7/18	12 ft	0 ft	12 ft		\$46.6666/ft	\$560.00
8	M4140N-R0.750		4140 Steel Round Bar 0.750" receive ft	Firmed	3/7/18	12 ft	0 ft	12 ft		\$2.4925/ft	\$29.91
9	M6061T6S2.250X13.500		6061-T6 Sheet 2.250" Thick x 13.500" Wide : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209	Firmed	3/7/18	6 ft	0 ft	6 ft		\$171.315/ft	\$1,027.89

Grand Total: \$3,556.37

Order Notes

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3/2/2018

PURCHASE ORDER

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 3/2/18 8:40 AM dart.lavoie.chantal



DELIVERY - CLIENT

Copy CO00076623

ACIER OUELLETTE INC.

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N°

Date

Delivery date

Your order N°

Processed by

Salesman

Carrier

Credit Terme

Page

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Instruction F-M

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	OUT
1 PLATE 4140 HT 1/2 RANDOM NS P4140-12HT-V 8509 1 X 3 1/2" X 72" HEAT: 300536 AC14005-FU-12/03	35.73	1.75	PI2_\$CLB		1x 72"					
2 ALU PLATE 2 1/4 6061-T651 RANDOM PAL-2146061-V 7464 1 X 13 1/2" X 72" HEAT: 651215 AC14006-TH-07/03 13 1/2	216.88	6.75	PI2_\$CLB		1x 72"		 DAS 11 9-89 MAR 13 2018			

Total Weight (Lbs) : 252.61 NIR : R-109516-6

Conditions :
All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :

Verified By :

Time

Y M D

180313

Date

Customer's Signature

Total (\$CAD)

Chemical certification **Certification chimique**

Order Num / No. Commande AC-14005	Vendor / Fournisseur 46	Country of origin / Pay d'origine SLOVENIA	Date 08/31/17	Heat / coulée 300536	Material ID # / No. matière
Grade / Nuance 4140 PLT	Conditions HEAT TREATED				
Shape / Forme FLAT	Size / Dimension 0.500	Specifications ASTM A829/A829M			

Chemical composition / Analyse chimique									
Carbon (C)		Silicon (Si)		Manganese (Mn)		Phosphorus (P)			
Mini / maxi	0.3700 / 0.4400		0.1500 / 0.3500		0.6500 / 1.1000		0.0100 / 0.0190		
Actuel %	0.410		0.226		0.743		0.007		
Sulphur (S)		Chromium (Cr)		Nickel (Ni)		Molybdenum (Mo)			
Mini / maxi	0.0200 / 0.0400		0.7500 / 1.2000		0.1000 / 0.2000		0.1500 / 0.2500		
Actuel %	0.001		0.950		0.530		0.180		
Cooper (Cu)		Vanadium (V)		Aluminum (Al)		Tungsten (W)			
Mini / maxi	0.1900 / 0.2900		0.0400 / 0.0500		0.0000 / 0.0000		0.0000 / 0.0000		
Actuel %	0.183		0.032		0.032		0.000		
Cobalt (Co)		Titanium (Ti)							
Mini / maxi	0.0000 / 0.0000		0.0000 / 0.0000		0.0000 / 0.0000		0.0000 / 0.0000		
Actuel %	0.000		0.000		0.000		0.000		
Mechanical properties / Propriétés Mécaniques									
Yield strenght / Élasticité	Tensile / Rés. à la traction	Elongation / Allon (%)	Red. of area / Surface (%)	RC	Surface Hd / Dureté				
0.000 PSI	0.000 PSI	0.00	0.00		305	BHN			

Note:

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material

Nous certifions que les données ci haut on été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.

Prepared by: / Préparé par:

76623

PO.14006



INSPECTION CERTIFICATE № 17.145845

EN 10204 - 3.1

Consigner: KAMENSK URALSKY METALLURGICAL WORKS 5, Zavodskaya Str., Kamensk Ural'skiy, Sverdlovsk Region, 623405, Russia Tel: +7 (3439) 39 54 17 Fax: +7 (3439) 39 52 49				JOINT STOCK COMPANY							
Buyer: A.S. Mill Products, Inc.				Quantity, pcs: 2							
Consignee: A.S. MILL PRODUCTS, INC.				Net Weight, kg: 1425							
P.O. No: CHI DEC				S.O. No: N17474							
Article No:				Item No: 2.10							
				Package No: 619622							
Description of Goods: Plates				Requirements on the Products:							
Grade of Product		Dimensions, inch (mm)		Material conforms to quality of alloy: 6061 T651							
		2.25"X48.5"X144.5" 57.150X1231.9X3670.3		Product conforms to all requirements of: ASME SB-209 Section II Part B (2010); ASTM B209-14; SAE AMS-CC-A-250/11A (2008); SAE AMS 4027 Rev. N (2014). This product conforms to European Union RoHS Directive 2011/65/EU							
Mechanical Properties											
The Condition of Tested Standards	Lot No.	Heat Lot No.	HT Charge No.	Sampling direction	Tensile Strength, Rm / Cut		Yield Strength, Rp0.2% / Clevering test		Elongation, %		Hardness HBW
					min	max	min	max	min	max	
Required	651215	13-2532	11140	LT	42.0	-	35.0	-	6	-	-
Contents				LT	44.4	44.7	40.5	40.9	10.8	13.2	-
Chemical Composition, %											
Element	Silicon Si	Iron Fe	Copper Cu	Manganese Mn	Magnesium Mg	Chromium Cr	Zinc Zn	Titanium Ti	Other Elements		Aluminum Al
									Esch	Total	
Required	0.40 - 0.8	0.7	0.18 - 0.40	0.15	0.8 - 1.2	0.04 - 0.35	0.25	0.15	-	-	-
Contents	0.62	0.32	0.17 - 0.18	0.10	0.9	0.08	0.09	0.08 - 0.09	-	-	-
Element	-	-	-	-	-	-	-	-	Other Elements		Aluminum Al
Required	-	-	-	-	-	-	-	-	0.05	0.15	
Contents	-	-	-	-	-	-	-	-	0.05	0.15	remainder
Other Tests											
Method	Macro-structure	Micro-structure	UT	K1c	Electro-conductivity, IACS%	SCF	Contents H2 of metals cm3/100gr	Raw material used for manufacturing supplied products was tested for compliance with international radiation safety regulations during incoming inspection. Russia is country of melt and manufacture.			
Result	-	-	-	-	-	-	5.19 (max 0.25) MAX 0.25	0.24			

On behalf:

KUMZ J.S.Co.

Date:

30.11.2017

QCB Inspector

Gureva V.N.

Inspection Department Engineer

Alahina N.V.



The Certificate has been agreed electronically.

Form № QAD/3-003, Revision 03

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M60617652.250X13.500
 DATE: MAR 13 2018

PO / BATCH NO.: 039156/5050940

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 6'
 QUANTITY INSPECTED: 6'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.250
 THICKNESS RECEIVED: 2.250
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORROSION	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	<u>AMS-QQ-A-250/11</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
PHOTO REQUIRED	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	<u>Heat # 651215</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="radio"/> N <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="radio"/> N <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 11</u> DATE: <u>9-89 MAR 13 2018</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T62 ALUMINUM SHEET
SPECIFICATION: QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4025 OR AMS 4027
OR ASTM B209
PART NUMBER: M6061T6S XXX THK
WHERE "XXX" = SHEET THICKNESS (IN INCHES)
EG. 0.063" THICK SHEET = M6061T6S.063
PREFERRED SIZE: XXX BY 4 FT BY 8 FT

RELEASED
2009-09-10
MP

B	REFORMAT DWG. ADD B209 SPEC (ZN D6-1), REF PAR 08-020A	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. B	
DRAWING NO. M6061T6S		SHEET 1 OF 1	
TITLE		SCALE	
6061-T6 SHEET SPEC		NTS	
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